TOZTOT 2866860

FIG. 1

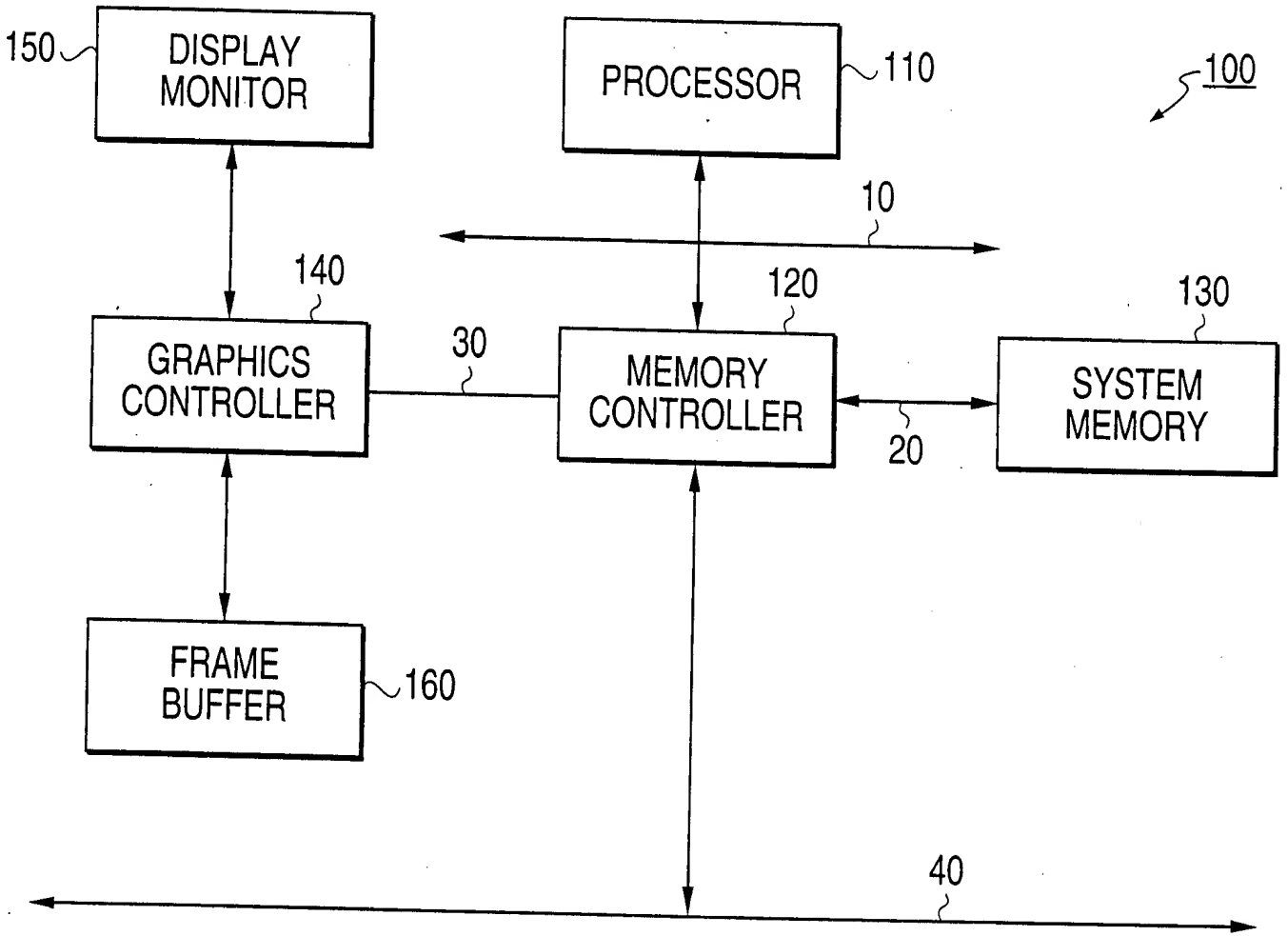


FIG. 2

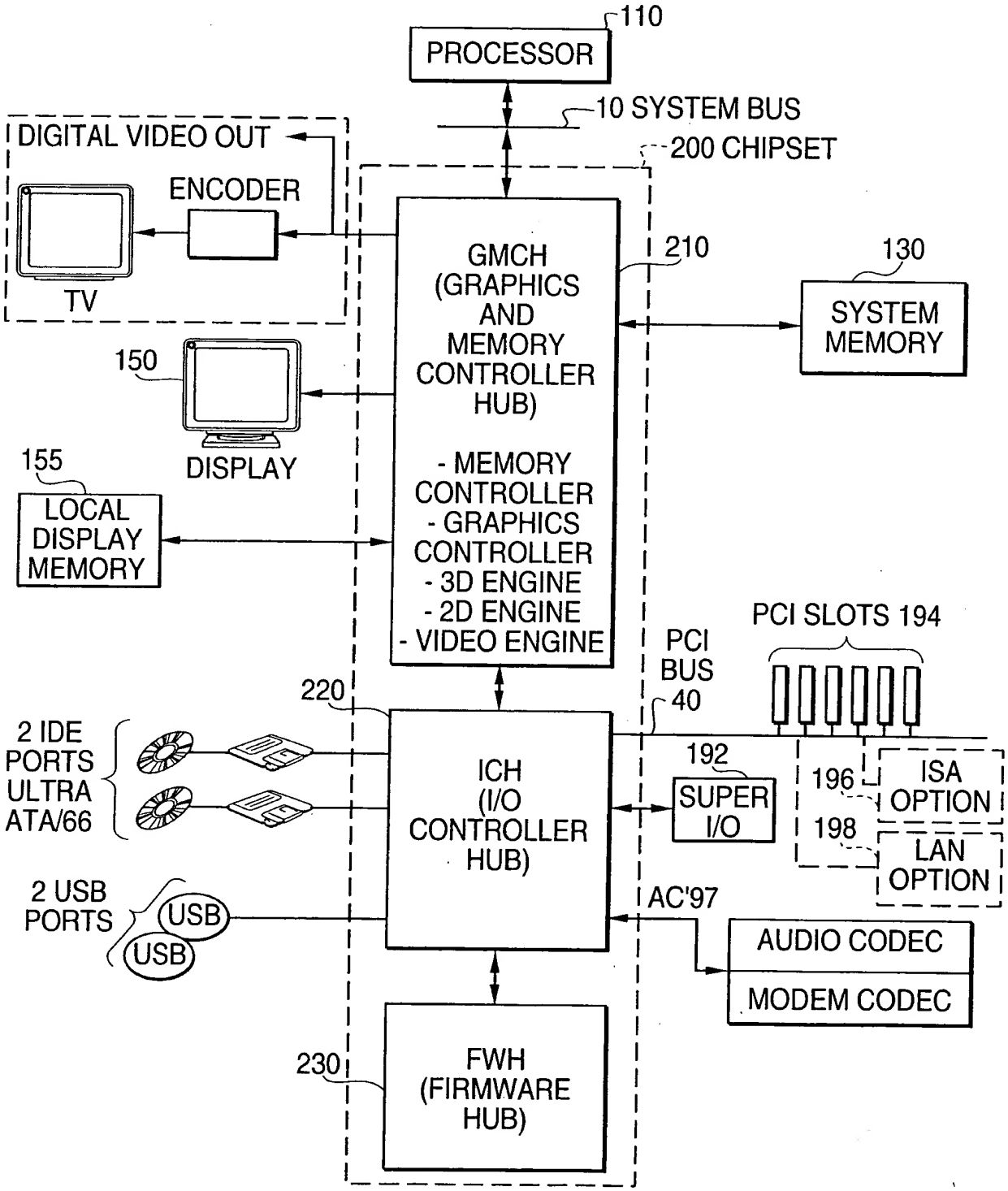
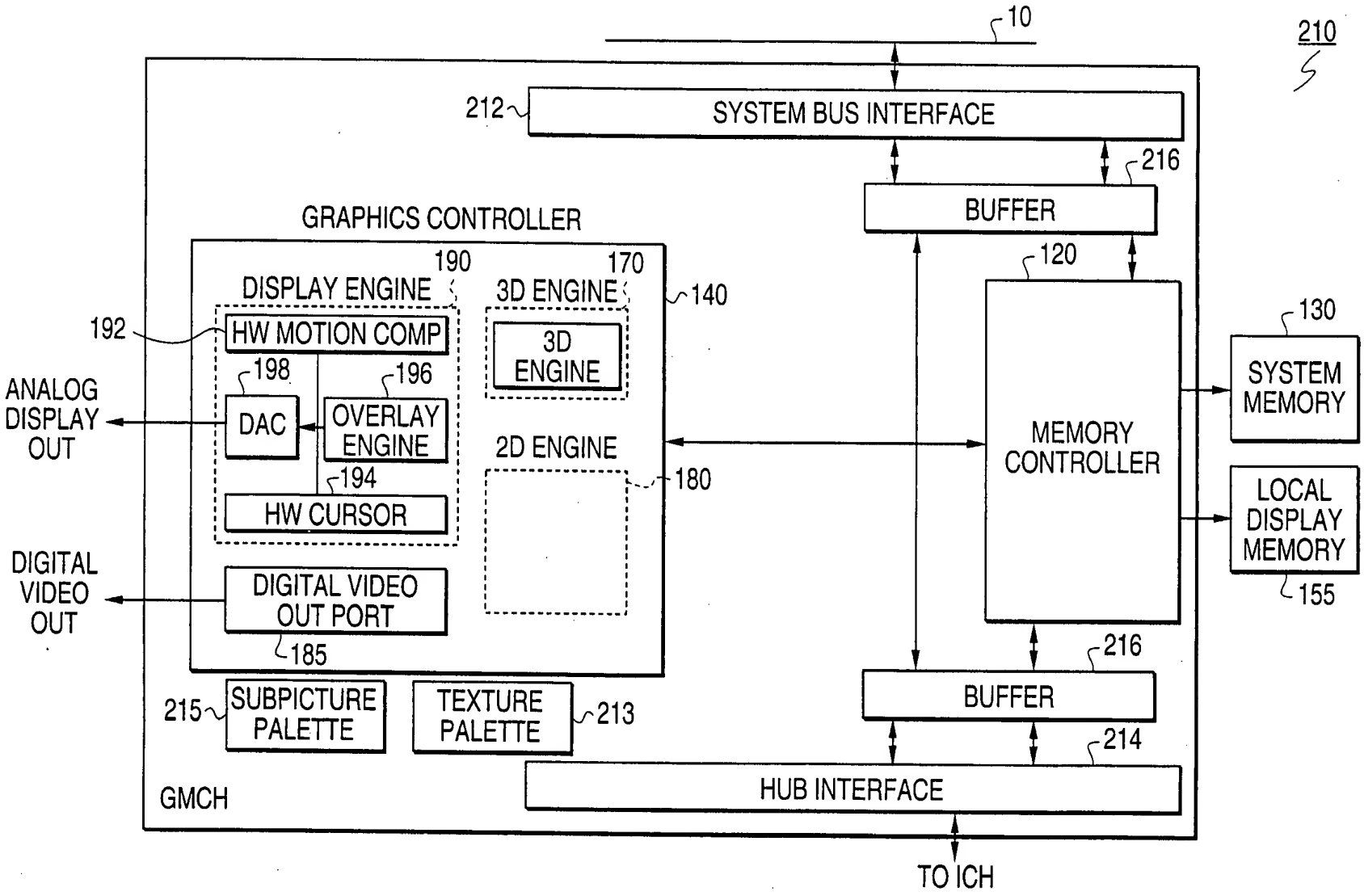
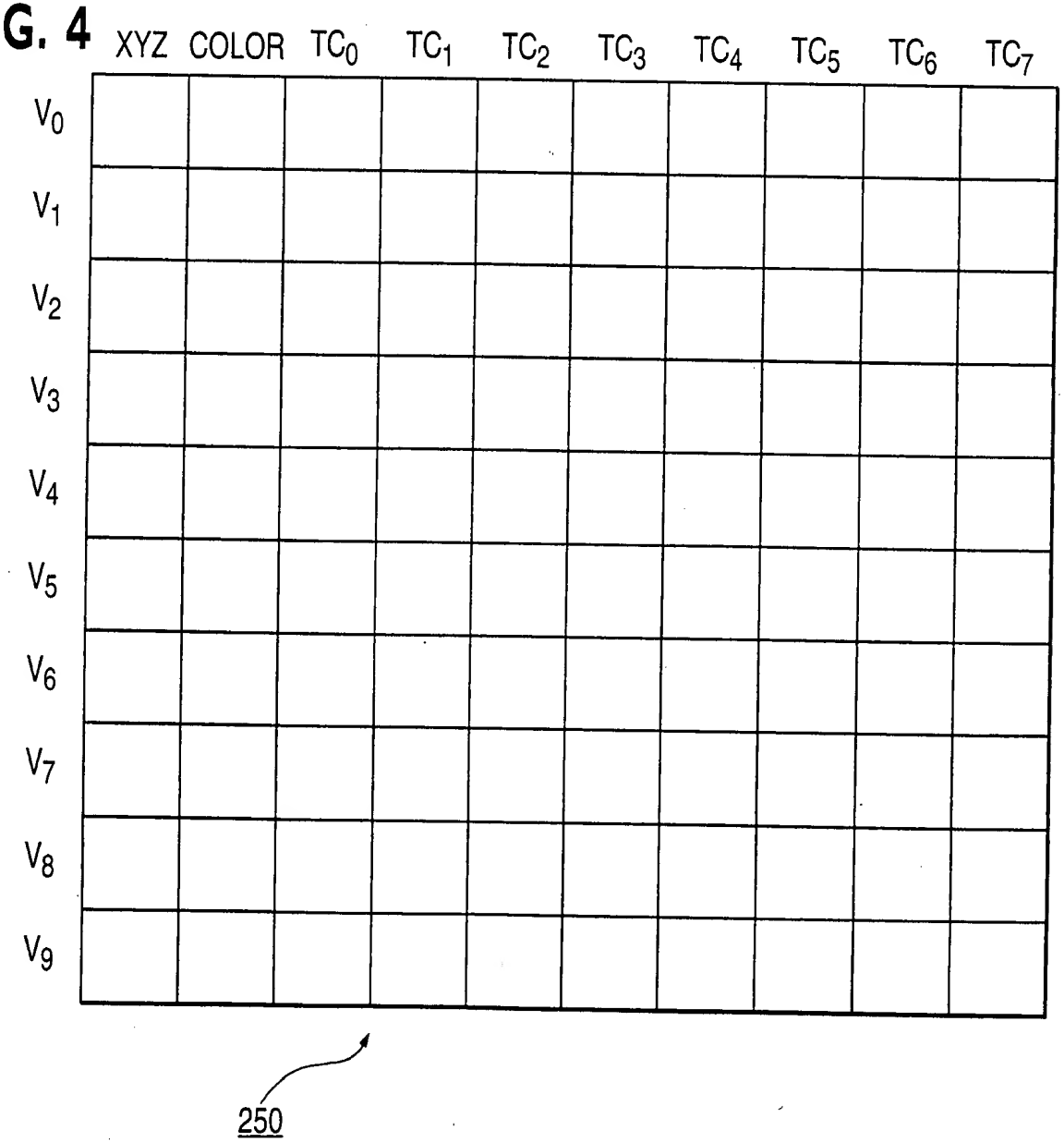

110
PROCESSOR
10 SYSTEM BUS
200 CHIPSET
DIGITAL VIDEO OUT
ENCODER
TV
GMCH (GRAPHICS AND MEMORY CONTROLLER HUB)
- MEMORY CONTROLLER
- GRAPHICS CONTROLLER
- 3D ENGINE
- 2D ENGINE
- VIDEO ENGINE
210
130
SYSTEM MEMORY
150
DISPLAY
155
LOCAL DISPLAY MEMORY
PCI SLOTS 194
PCI BUS 40
220
2 IDE PORTS ULTRA ATA/66
ICH (I/O CONTROLLER HUB)
192
SUPER I/O
196
ISA OPTION
198
LAN OPTION
2 USB PORTS
USB
USB
AC'97
AUDIO CODEC
MODEM CODEC
230
FWH (FIRMWARE HUB)

FIG. 3


10
210
212
SYSTEM BUS INTERFACE
216
BUFFER
GRAPHICS CONTROLLER
190
DISPLAY ENGINE
170
3D ENGINE
140
120
130
192
HW MOTION COMP
3D ENGINE
SYSTEM MEMORY
198
196
ANALOG DISPLAY OUT
DAC
OVERLAY ENGINE
2D ENGINE
MEMORY CONTROLLER
194
180
HW CURSOR
LOCAL DISPLAY MEMORY
155
DIGITAL VIDEO OUT
DIGITAL VIDEO OUT PORT
185
216
BUFFER
215
SUBPICTURE PALETTE
TEXTURE PALETTE
213
214
HUB INTERFACE
GMCH
TO ICH

TOZTOT"2866860

FIG. 4



EP 2 710 860 A1

FIG. 5

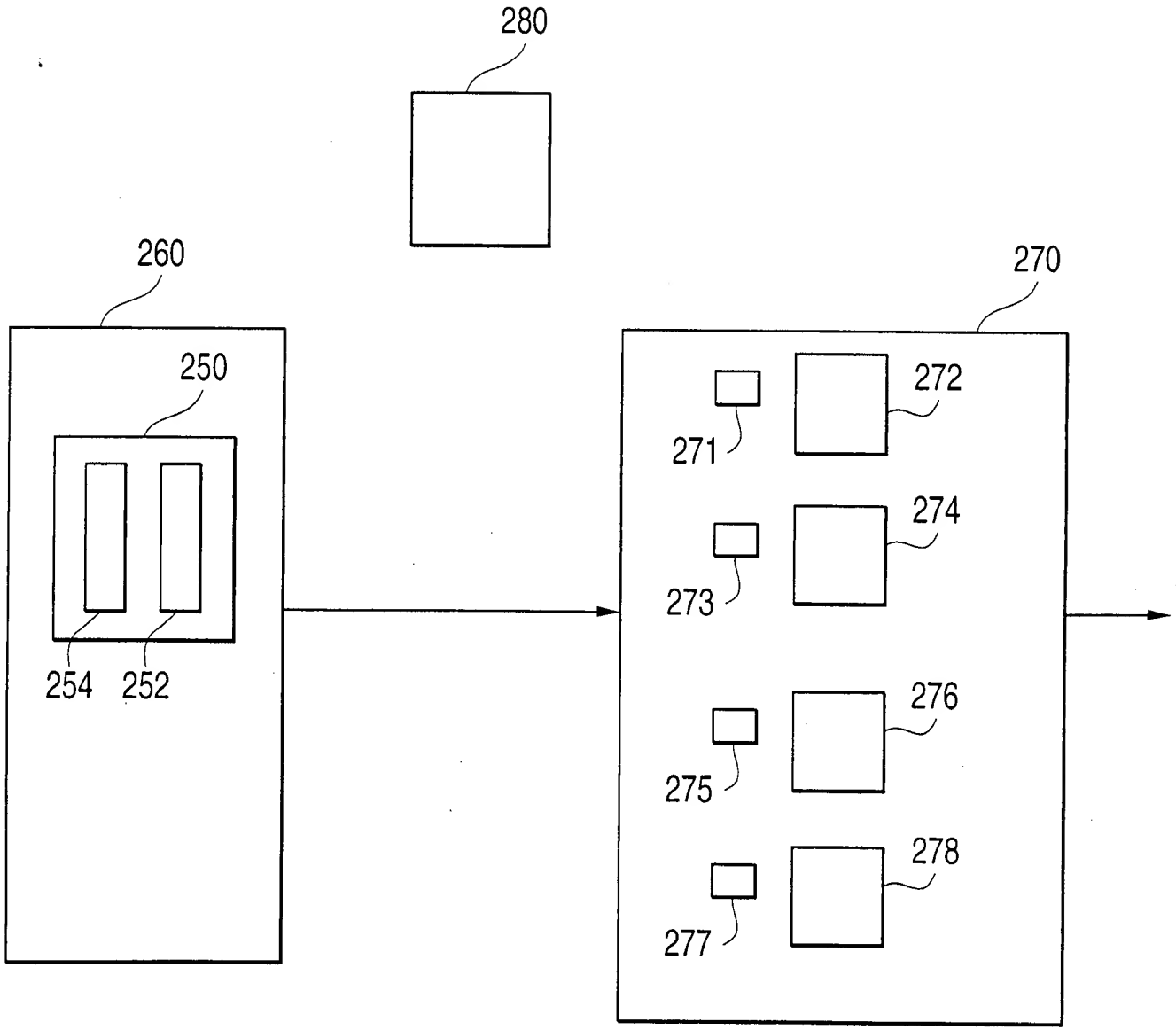
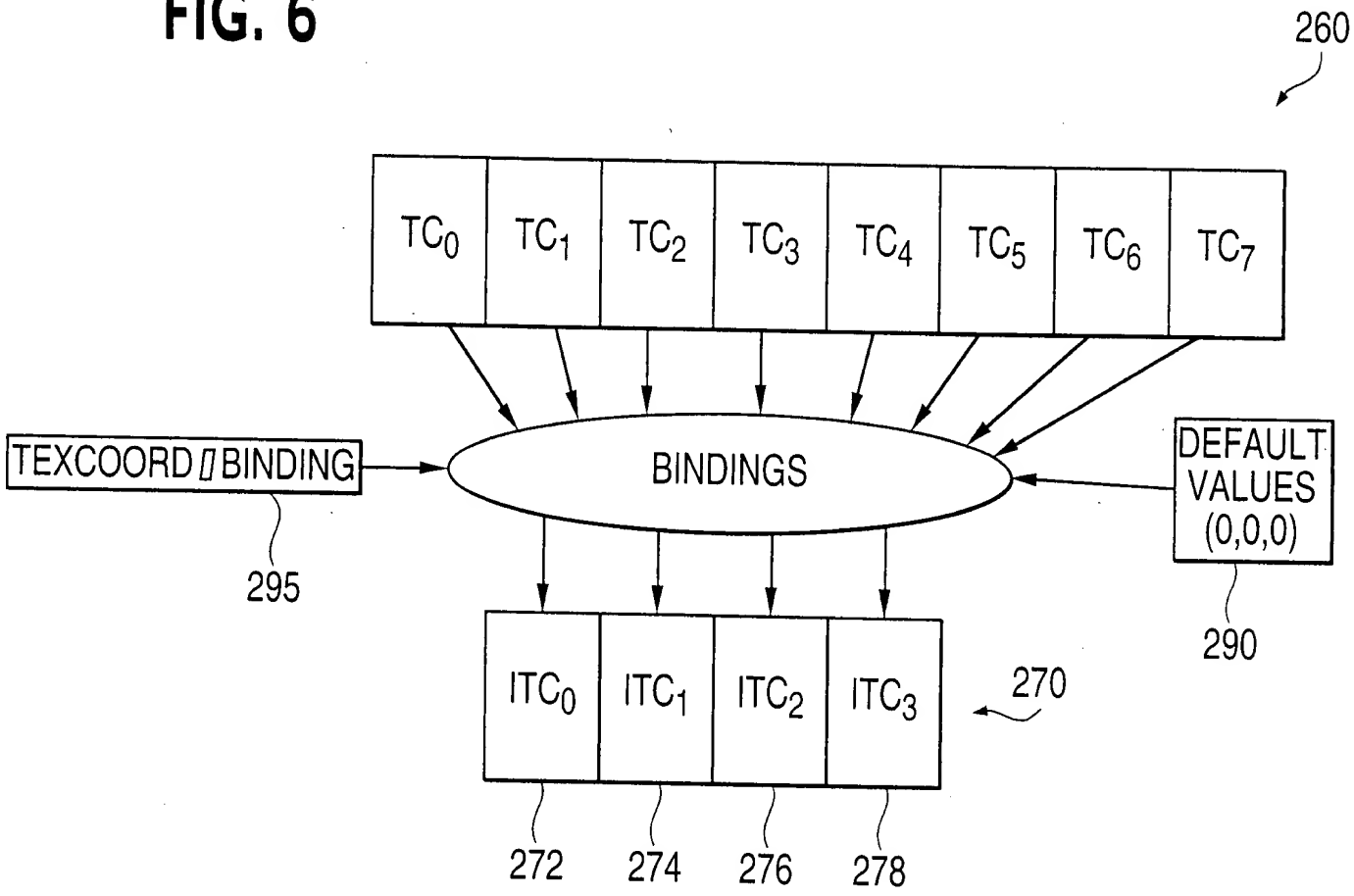


FIG. 6


260
TC0
TC1
TC2
TC3
TC4
TC5
TC6
TC7
TEXCOORD[] BINDING
BINDINGS
DEFAULT VALUES (0,0,0)
295
290
ITC0
ITC1
ITC2
ITC3
270
272
274
276
278

09893982 "10170"

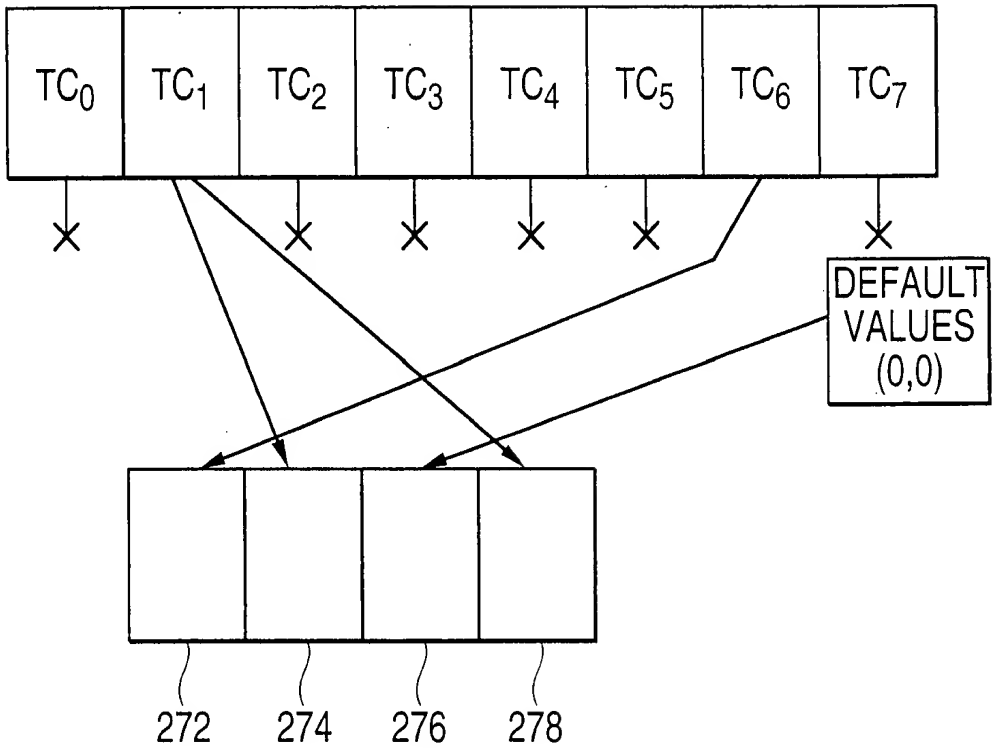



FIG. 7